

Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A machine-readable medium having instructions stored thereon for execution by a processor to implement a computer program providing a common text framework through which applications and handlers for input devices can interact, comprising:

a text store interface to permit an application having a document of primarily text to expose the document as an abstraction, the text store interface comprising,

a text stream interface in which the abstraction of the document appears as an array, a position within the document represented as an offset from a beginning of the array,

a dynamic text interface in which the abstraction of the document is such that a position within the document is represented as a floating anchor to a node, and

a text processor input method for attaching a property to the document in at least one position in the document, wherein the property preserves originally entered data in order to facilitate text correction; and

a text input processor interface to permit a handler for an input device to access the abstraction of the document and to insert additional text into the document.

2. (Previously Presented) The medium of claim 1, wherein the text store interface comprises:

a method for selecting at least one of the text stream interface and the dynamic text interface by which to expose the document as the abstraction, wherein the method selects the text stream interface for documents stored as an array and the dynamic interface for documents stored in a tree-based structure.

3. (Original) The medium of claim 1, wherein the text input processor interface comprises a range object in which a range within the document is specified as two positions within the abstraction of the document, such that the handler inserts the additional text into the document and accesses the abstraction of the document at the range specified by the range object.

4. (Original) The medium of claim 3, wherein insertion is accomplished via a first method of the text input processor interface and the access is accomplished via a second method of the text processor interface.

5. (Previously Presented) The medium of claim 3, wherein the text input processor interface further permits the handler for the input device to attach the property to the document at the range specified by the range object.

Claims 6-19. (Canceled)

20. (Previously Presented) A machine-readable medium having instructions stored thereon for execution by a processor to implement a computer program providing a common text framework through which applications and handlers for input devices can interact, comprising:

- a text input processor interface to permit a handler for an input device to access an abstraction of a document of mostly text of an application and to insert additional text into the document, comprising:

- a range object in which a range within the document is specified as two positions within the abstraction of the document, such that the handler inserts the additional text into the document and accesses the abstraction of the document at the range specified by the range object;

- a first method by which insertion is accomplished;

- a second method by which access is accomplished; and,

a third method by which the handler is able to attach a property to the document at the range specified by the range object, the property providing access to original data used for insertion of text within the range.

21. (Original) The medium of claim 20, wherein the framework further comprises a text store interface to permit the application having the document of primarily text to expose the document as an abstraction.

22. (Previously Presented) The medium of claim 21, wherein the text store interface comprises:

a text stream interface in which the abstraction of the document appears as an array, a position within the document represented as an offset from a beginning of the array; and,

a dynamic text interface in which the abstraction of the document is such that a position within the document is represented as a floating anchor to a node,

such that the application selects at least one of the text stream interface and the dynamic text interface by which to expose the document as the abstraction.

23. (Previously Presented) A method to preserve original raw data in a common text framework that provides interaction between an application and a plurality of input devices, the method comprising:

receiving the original raw data from at least one of the plurality of input devices;
storing the original raw data in a property that is attachable to a document;
specifying a range within the document, wherein the range utilizes at least one floating position; and
attaching the property to the range specified within the document. -

24. (Previously Presented) The method of claim 23, wherein at least two of the plurality of input devices can simultaneously provide the original raw data.

25. (Previously Presented) The method of claim 23, further comprising:
providing a context that includes additional information about the original raw
data and
utilizing the context to convert the received original raw data into text.

26. (Previously Presented) The method of claim 25, wherein the context is
determined by the range specified within the document.